

## Refrigerant Comparison (PT Chart)

This chart compares the pressure-temperature relationships for coexisting vapor and liquid at the saturated conditions for liquid at the bubble-point for the blends of all five refrigerants

Pressure (PSIG)

Temp(F)	<u>R22</u>	<u>421A</u>	<u>R438A</u> (M099)	<u>422D</u>	<u>407C</u>
-40	0.6	0.5	1.7	2.4	2.7
-35	2.6	2.6	3.9	4.6	5.1
-30	4.9	4.9	6.4	7.1	7.7
-25	7.4	7.4	9.1	9.9	10.6
-20	10.2	10.2	12	12.9	13.7
-15	13.2	13.2	15.3	16.2	17.2
-10	16.5	16.5	18.8	19.8	21
-5	20.1	20.1	22.7	23.7	25
0	24	24	26.9	27.9	29.5
5	28.3	28.3	31.4	32.5	34.3
10	32.8	32.9	36.3	37.5	39.5
15	37.8	37.8	41.6	42.8	45.2
20	43.1	43.2	47.3	48.5	51.2
25	48.8	48.9	53.4	54.7	57.7
30	55	55	59.9	61.3	64.7
35	61.5	61.6	67	68.4	72.2
40	68.6	68.7	74.5	75.9	80.2
45	76.1	76.2	82.5	84	88.8
50	84.1	84.2	91.1	92.6	97.9
55	92.6	92.8	100.2	101.7	107.6
60	101.6	101.9	109.8	111.4	117.9
65	111.2	111.5	120.1	121.7	128.9
70	121.4	121.8	131	132.6	140.5
75	132.2	132.6	142.6	144.1	152.8
80	143.6	144.1	154.7	156.3	165.8
85	155.7	156.2	167.6	169.2	179.6
90	168.4	169	181.2	182.8	194.1
100	195.9	196.7	210.6	212.2	225.5
105	210.8	211.7	226.5	228	242.4
110	226.4	227.5	243.1	244.7	260.3
115	242.8	244	260.7	262.3	279
120	260	261.4	279.1	280.7	298.6
125	278	279.7	298.3	300	319.2
130	296.9	298.9	318.5	320.2	340.7
135	316.7	319	339.7	341.5	363.3
140	337.4	340.1	361.9	363.7	387
145	359	362.1	385	387	411.7

Number of components per ref.

1

2

5

3

3

All information here has been collected from the manufactures websites none of these values have been generated by this company